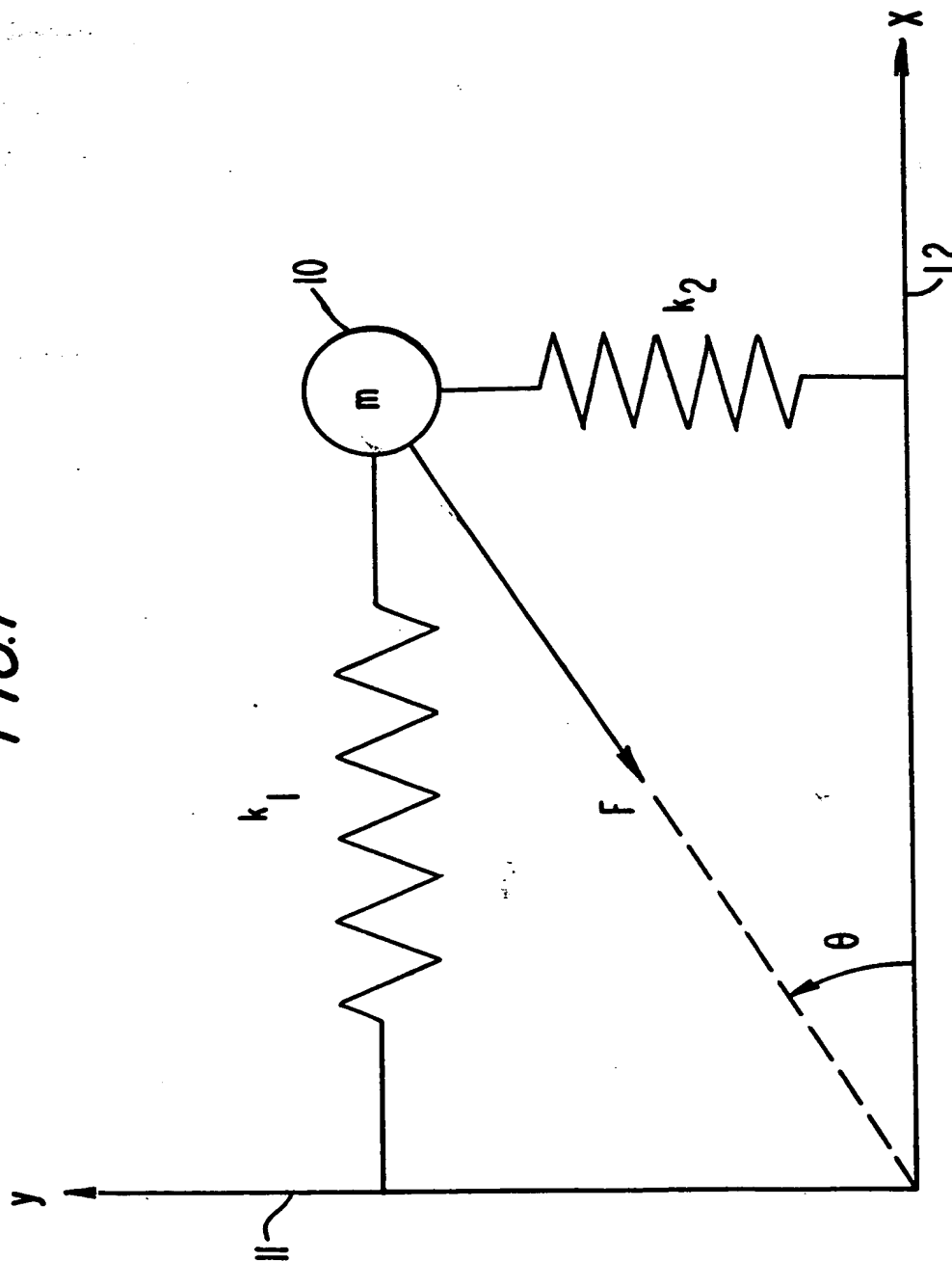


1/25

FIG. 1



Applicants:
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For:

Richard M. Weiss et al.

Docket No.: WR-2

Confirmation No.:

METHOD AND APPARATUS FOR MEASURING
AND ORIENTING GOLF CLUB SHAFT

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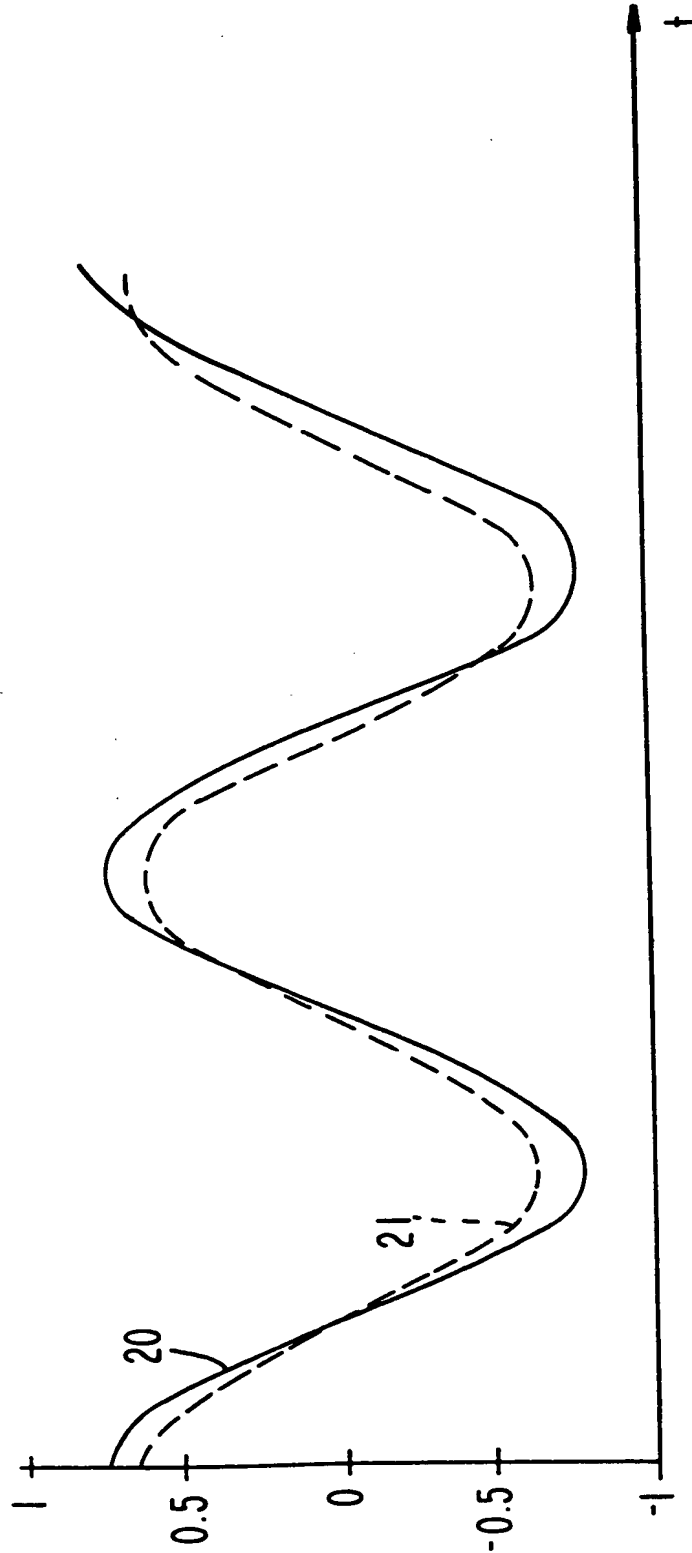
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2/25

FIG. 2



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Docket No.: WR-2

Application No.

Confirmation No.:

For:

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AND ORIENTING GOLF CLUB SHAFT

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3 / 25

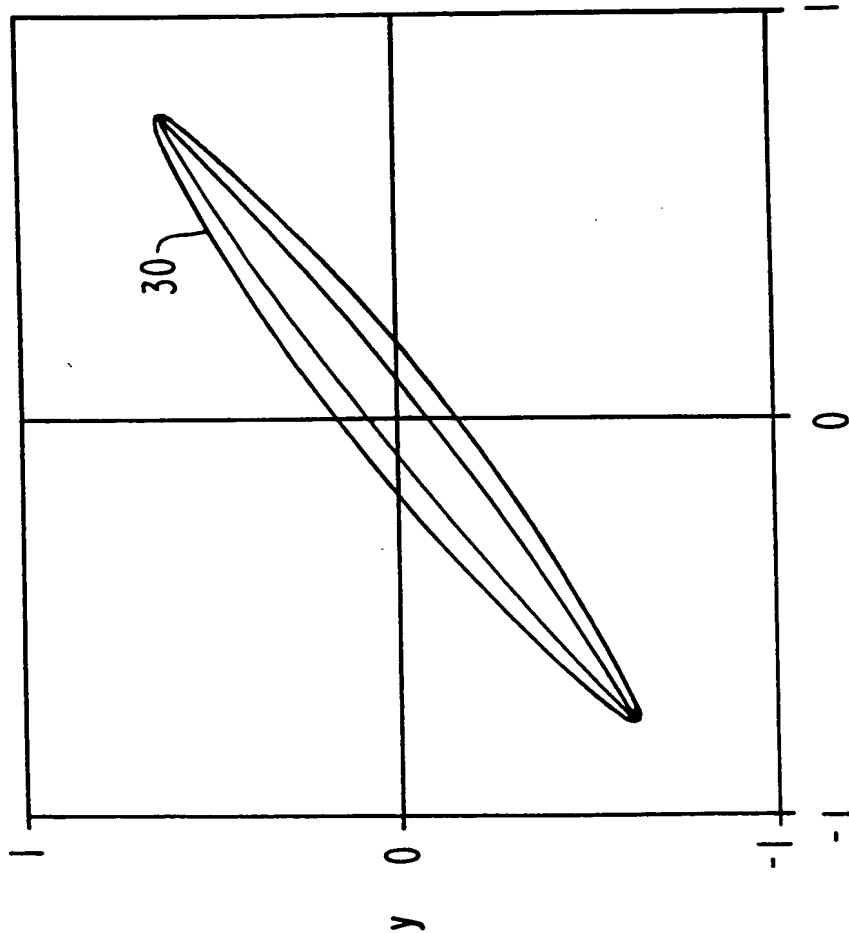


FIG. 3

FIG. 3

4/25

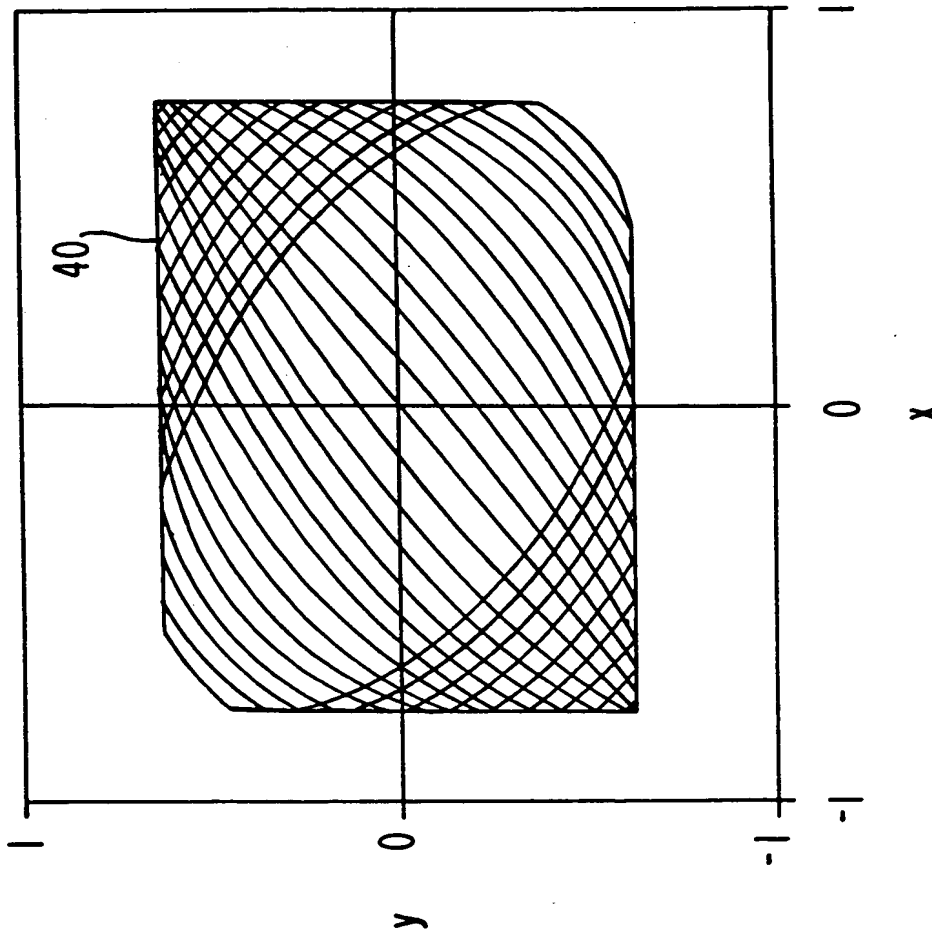
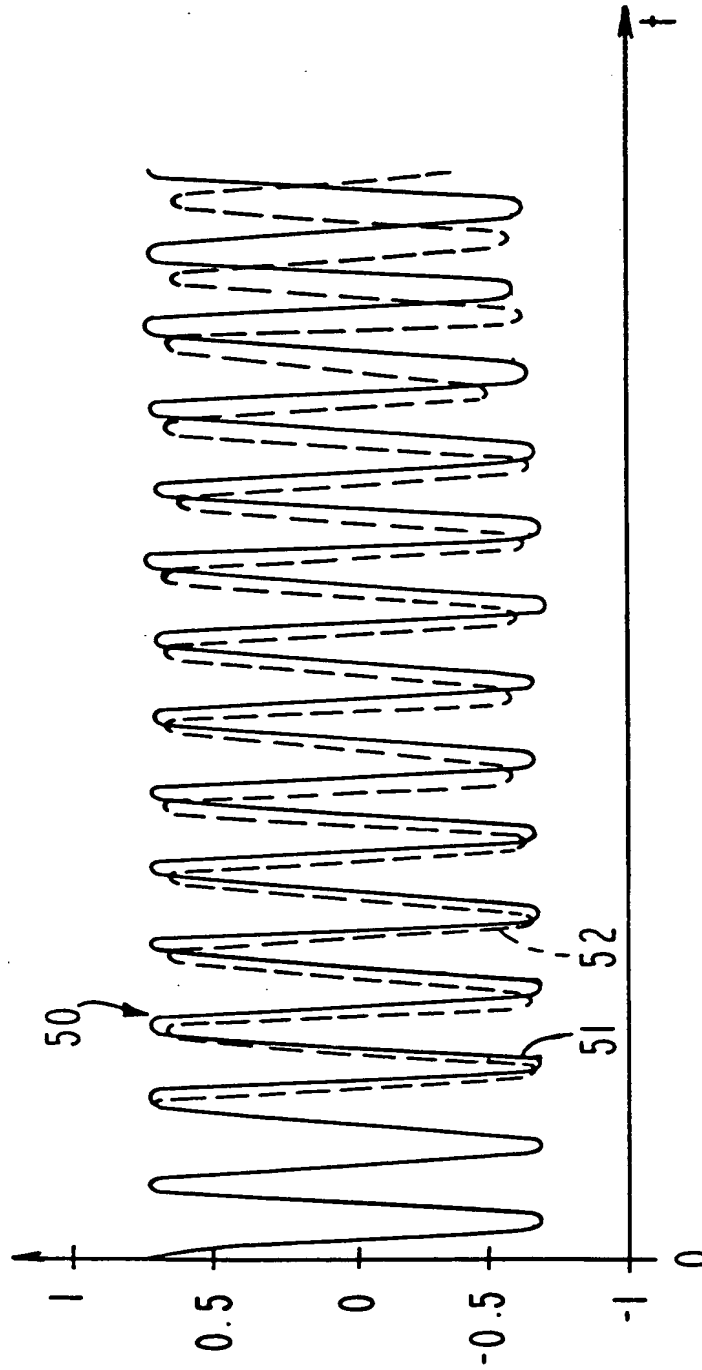


FIG. 4

5/25

FIG. 5



6/25

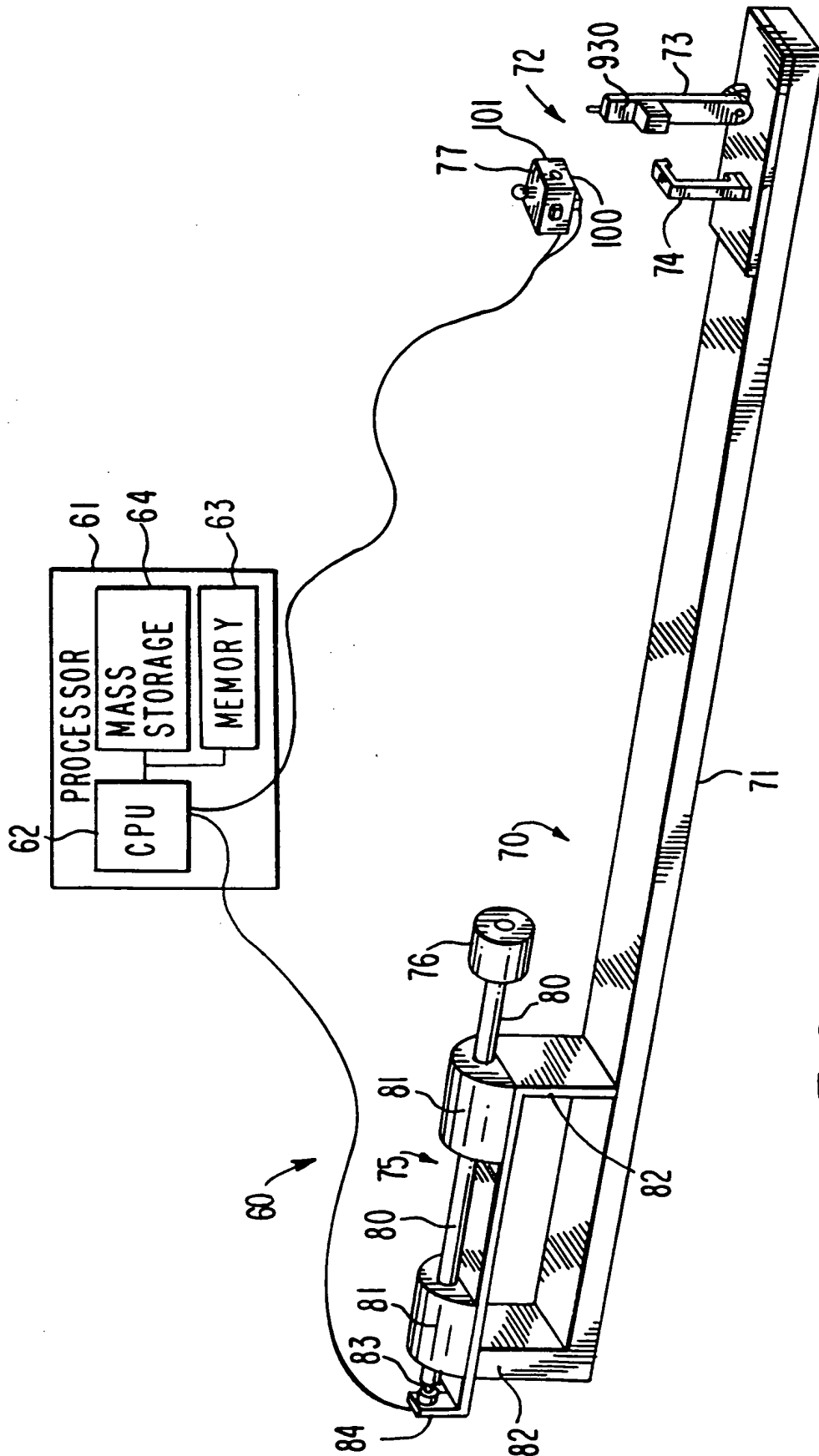


FIG. 6

Applicants:
Application No.
For:

Richard M. Weiss et al.

Docket No.: WR-2

Confirmation No.:

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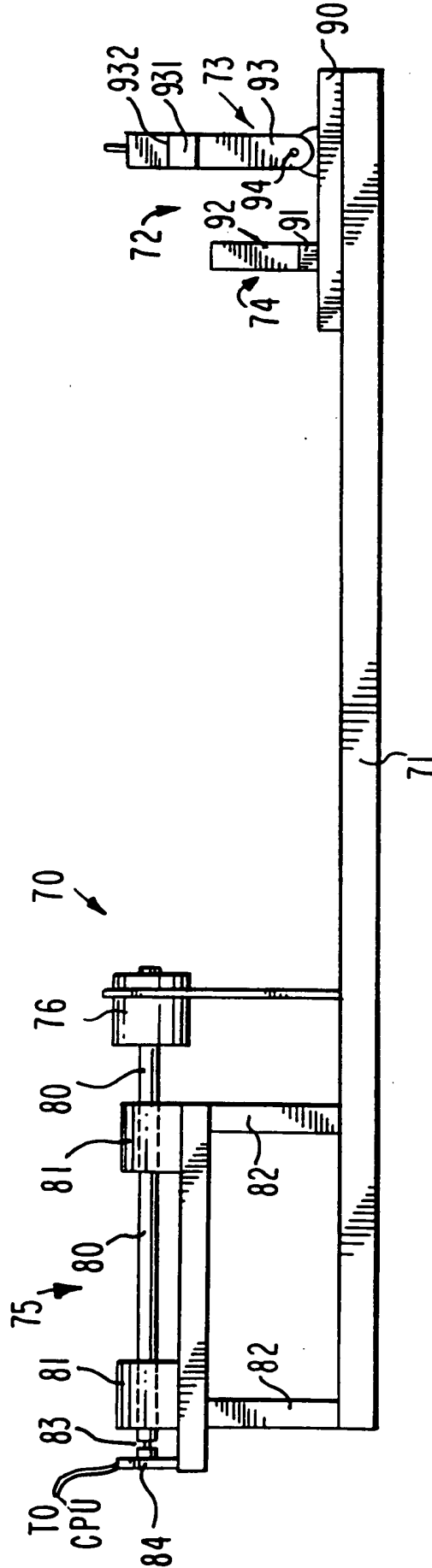
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Express Mail Label No. EF230789596US

FIG. 7



7/25

Applicants: Richard M. Weiss et al.
Application No. 08/000,000
For: METHOD AND APPARATUS FOR MEASURING
AND ORIENTING GOLF CLUB SHAFT

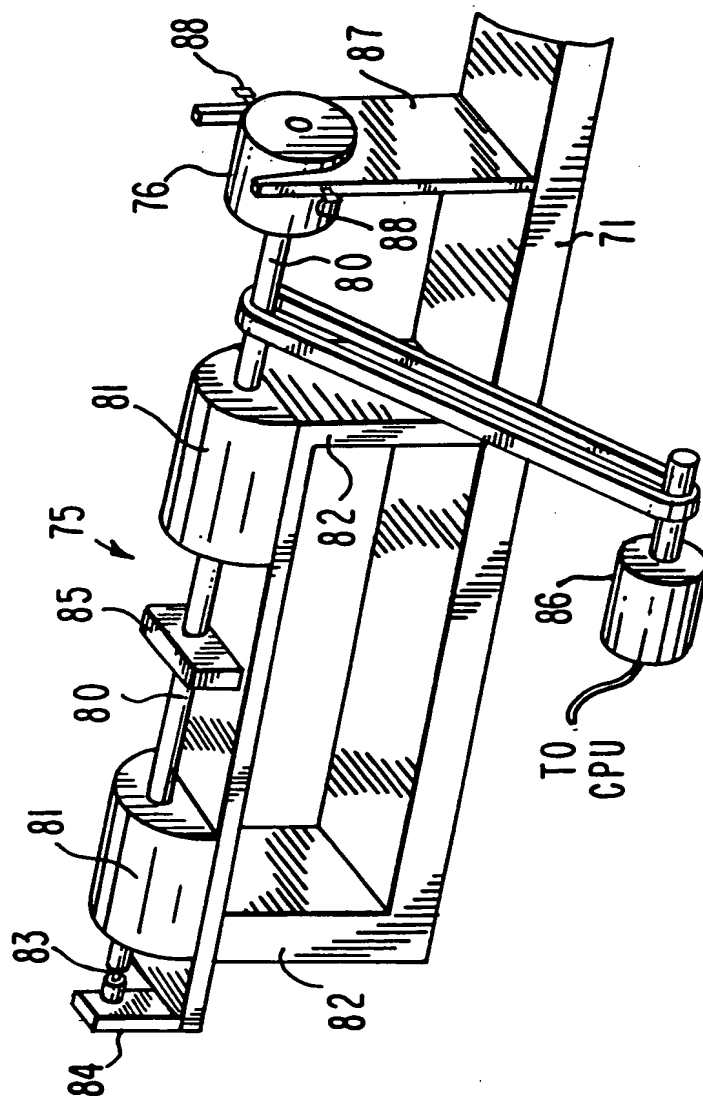
Docket No.: WR-2
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8/25



Applicants:
Application No.
For:

Richard M. Weiss et al.

Docket No.: WR-2

Confirmation No.:

Filed: Herewith

METHOD AND APPARATUS FOR MEASURING
AND ORIENTING GOLF CLUB SHAFT

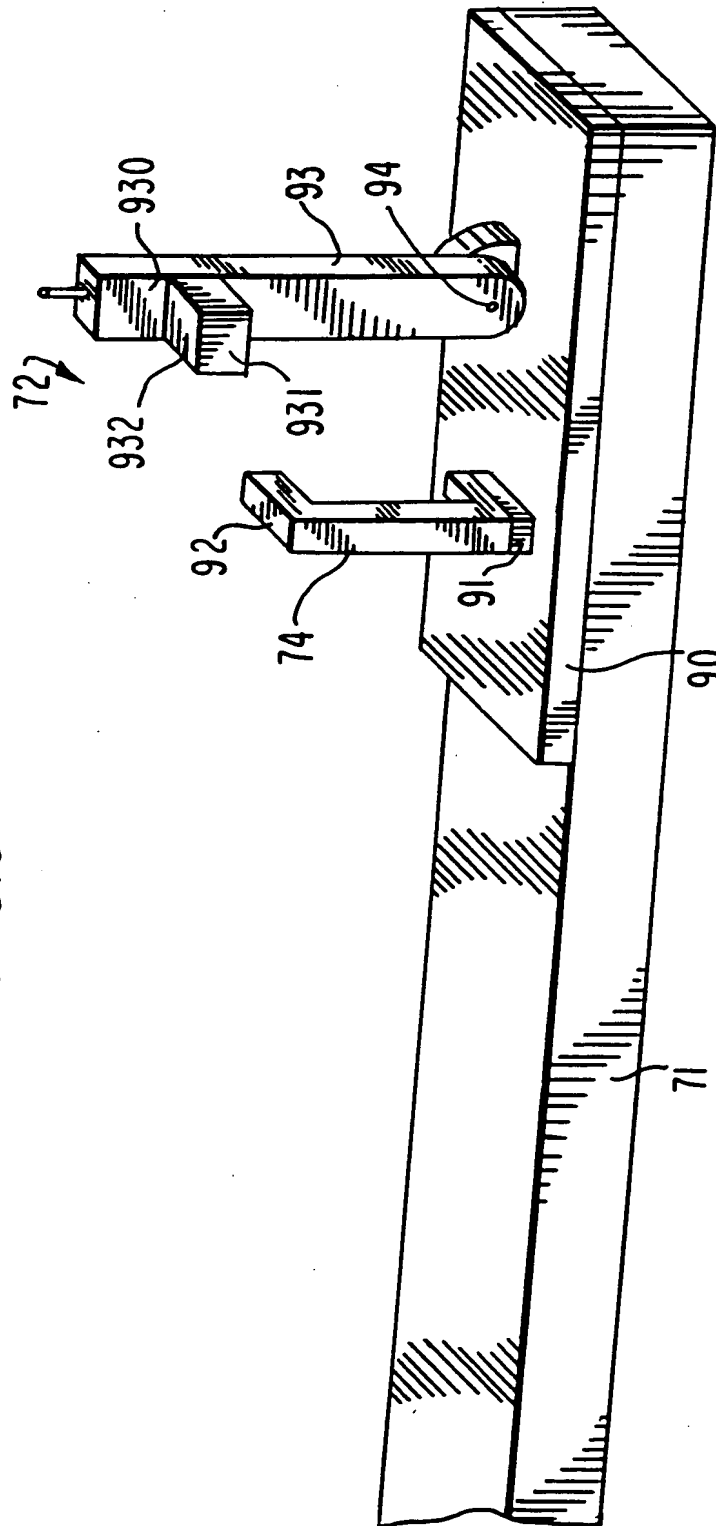
Attorney:

Jeffrey H. Ingberman, Reg. No. 31,069

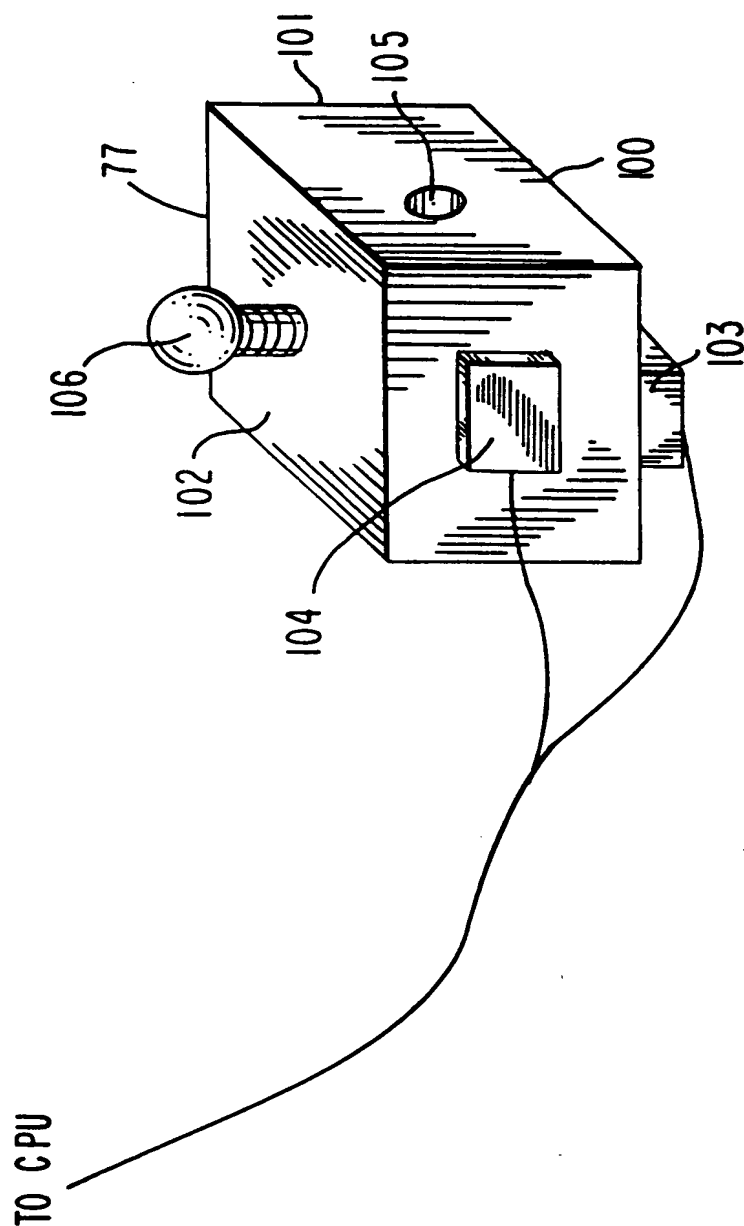
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9/25

FIG. 9

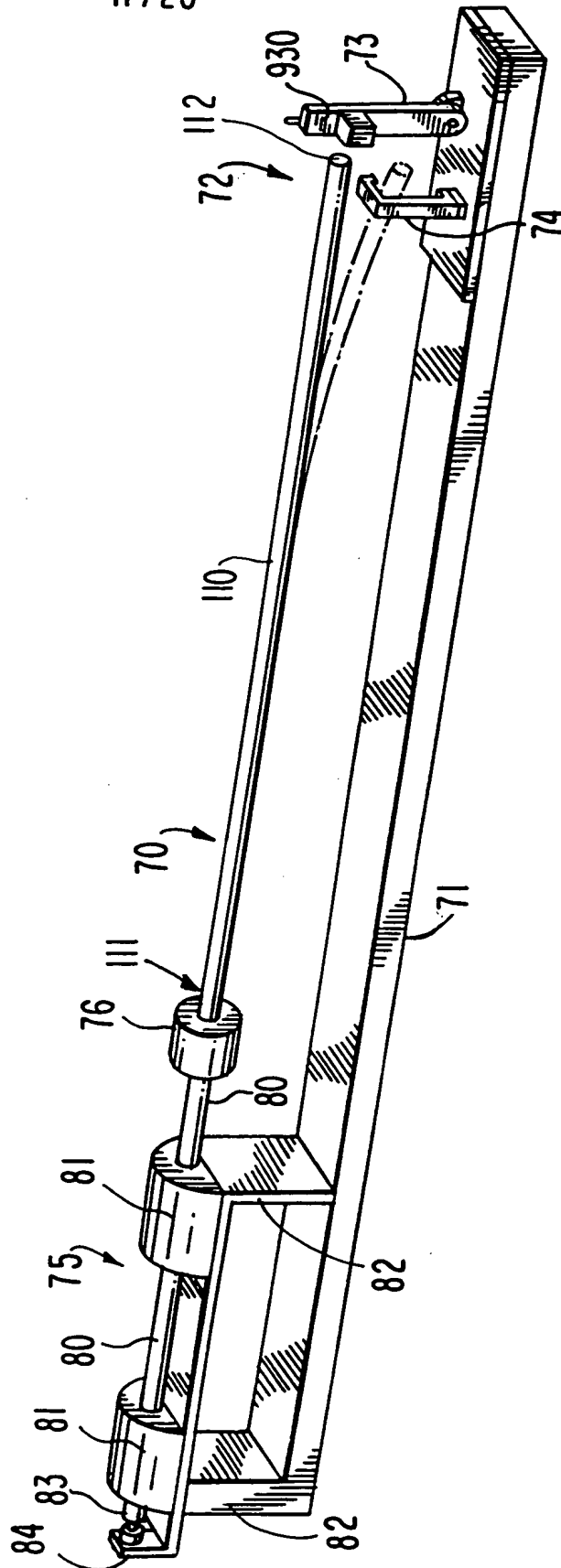


10/25



11/25

FIG. 11



12/25

FIG. 12

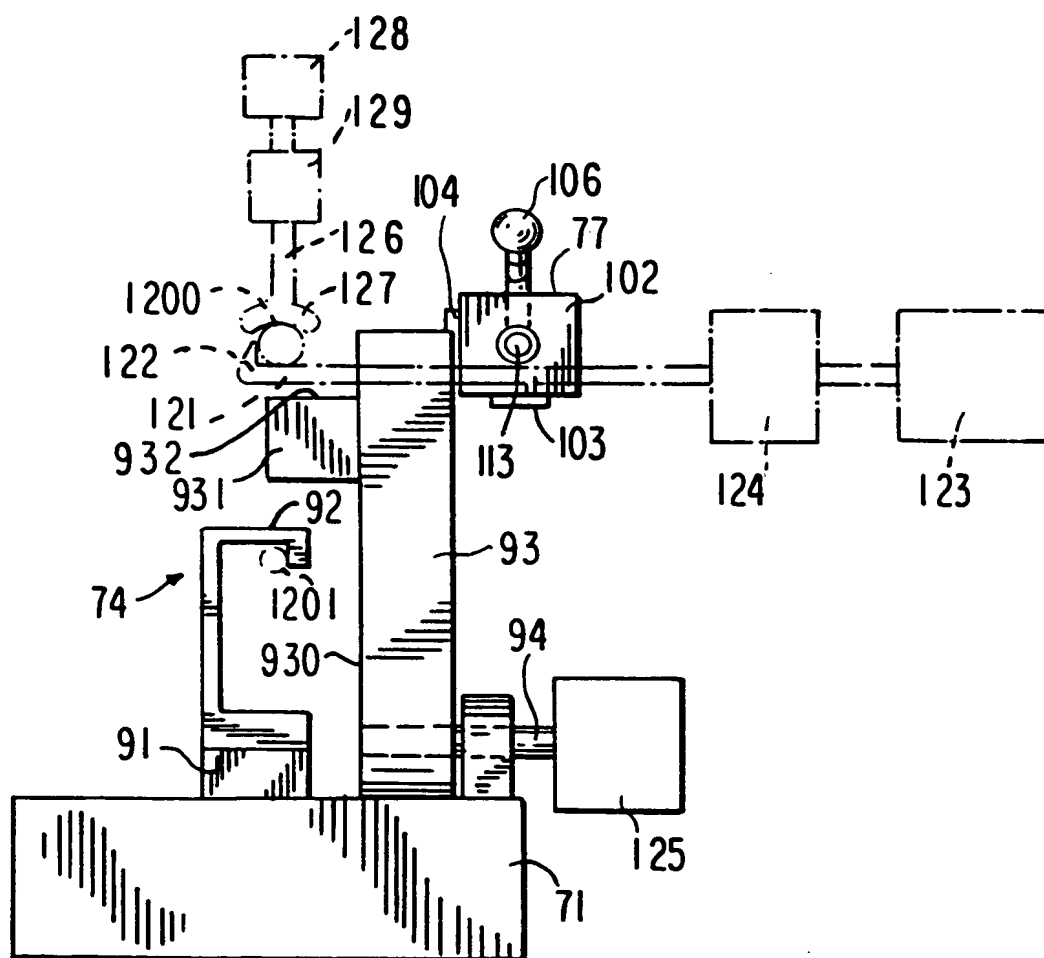


Figure 1 illustrates the experimental setup. A participant is seated at a table, viewing a screen. The screen displays a target (a small circle) and a starting point (a larger circle). The participant's hand is positioned at the starting point. The diagram shows the movement of the hand from the starting point to the target, with a dashed line indicating the path. The participant is also shown holding a pen, which is used to mark the target on the screen. The diagram is labeled with 'Participant', 'Target', 'Starting point', and 'Pen'.

13/25

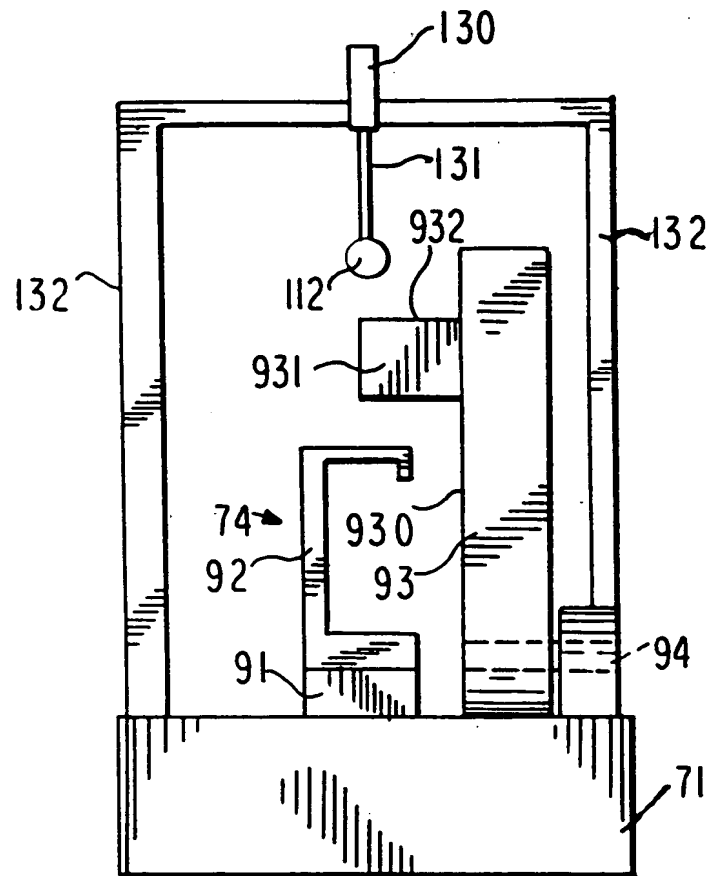


FIG. 13

14/25

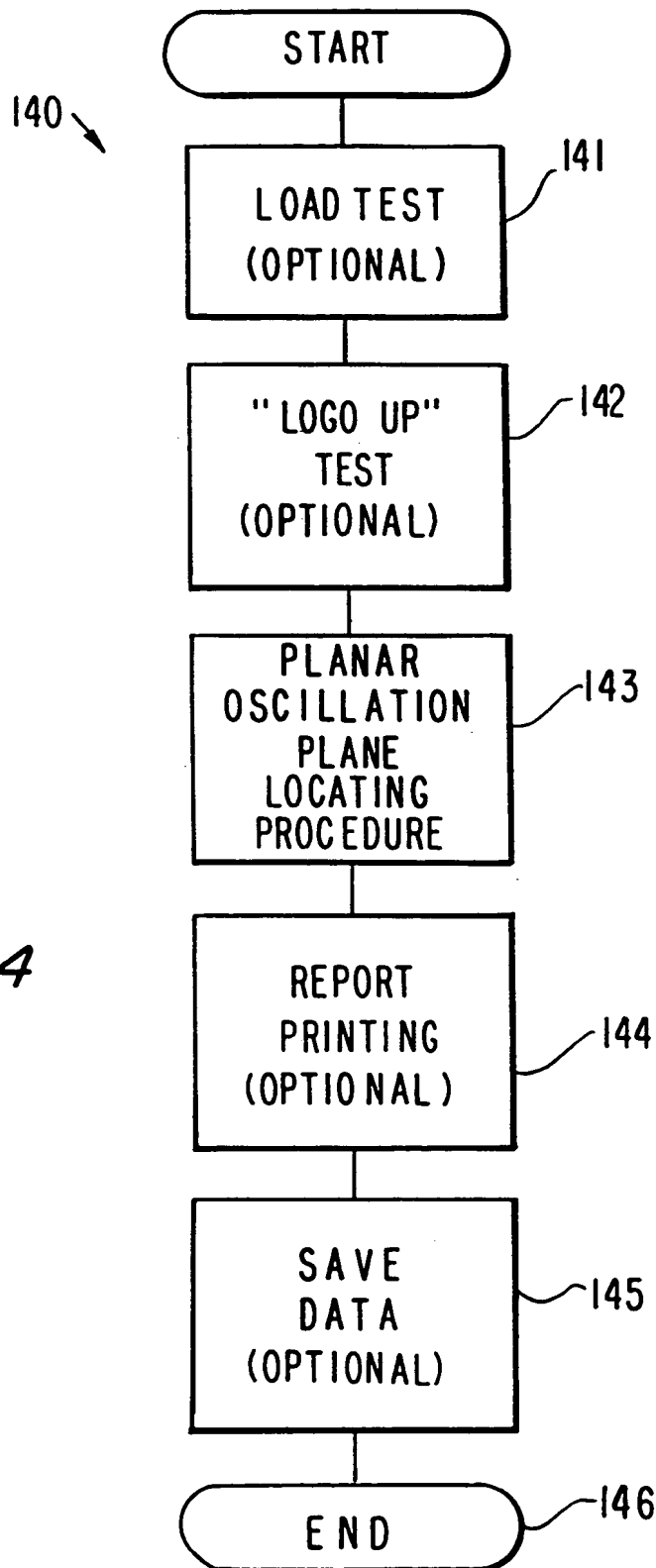


FIG. 14

15/25

141

PLACE GOLF CLUB SHAFT IN CHUCK
AND RESTRAIN TIP UNDER SHAFT
TIP RESTAINING ARM

150

ROTATE CHUCK 200°
IN NEGATIVE DIRECTION

151

ROTATE CHUCK AT LEAST
360° IN POSITIVE DIRECTION
AND ACQUIRE DATA FROM
LOAD CELL

152

DETERMINE ANGLE "A" OF
MAXIMUM LOAD

153

SET START ANGLE
 $S = A - 90^\circ$

154

FIG. 15

16 / 25

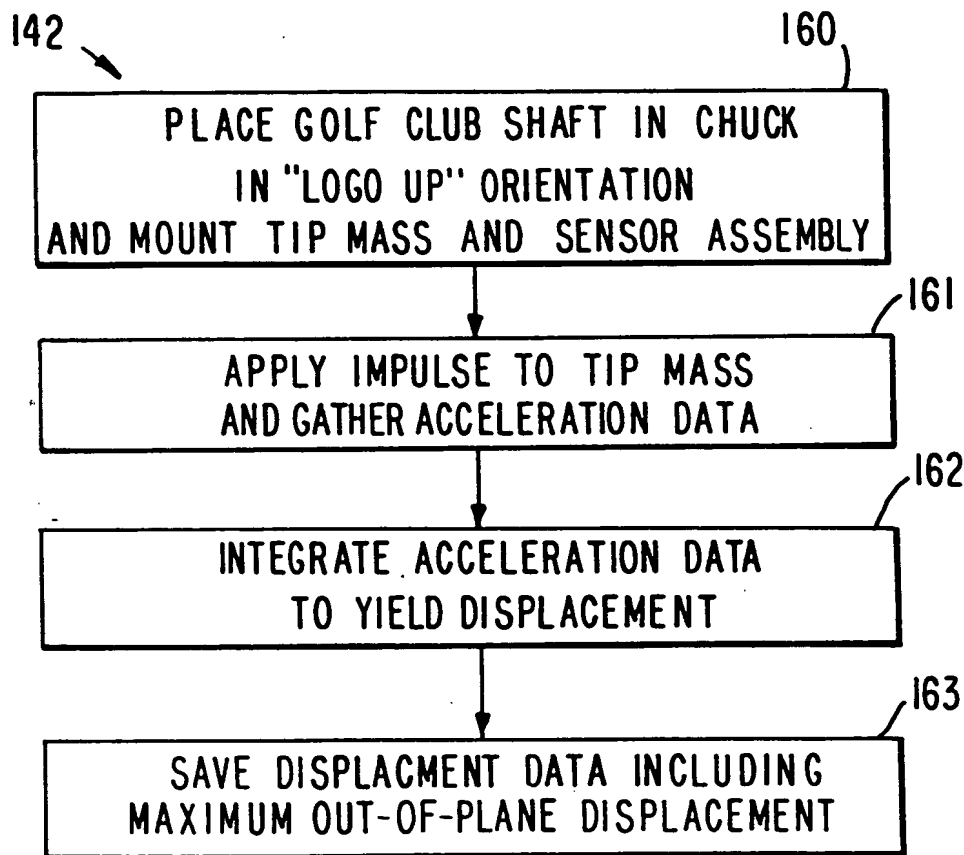


FIG.16

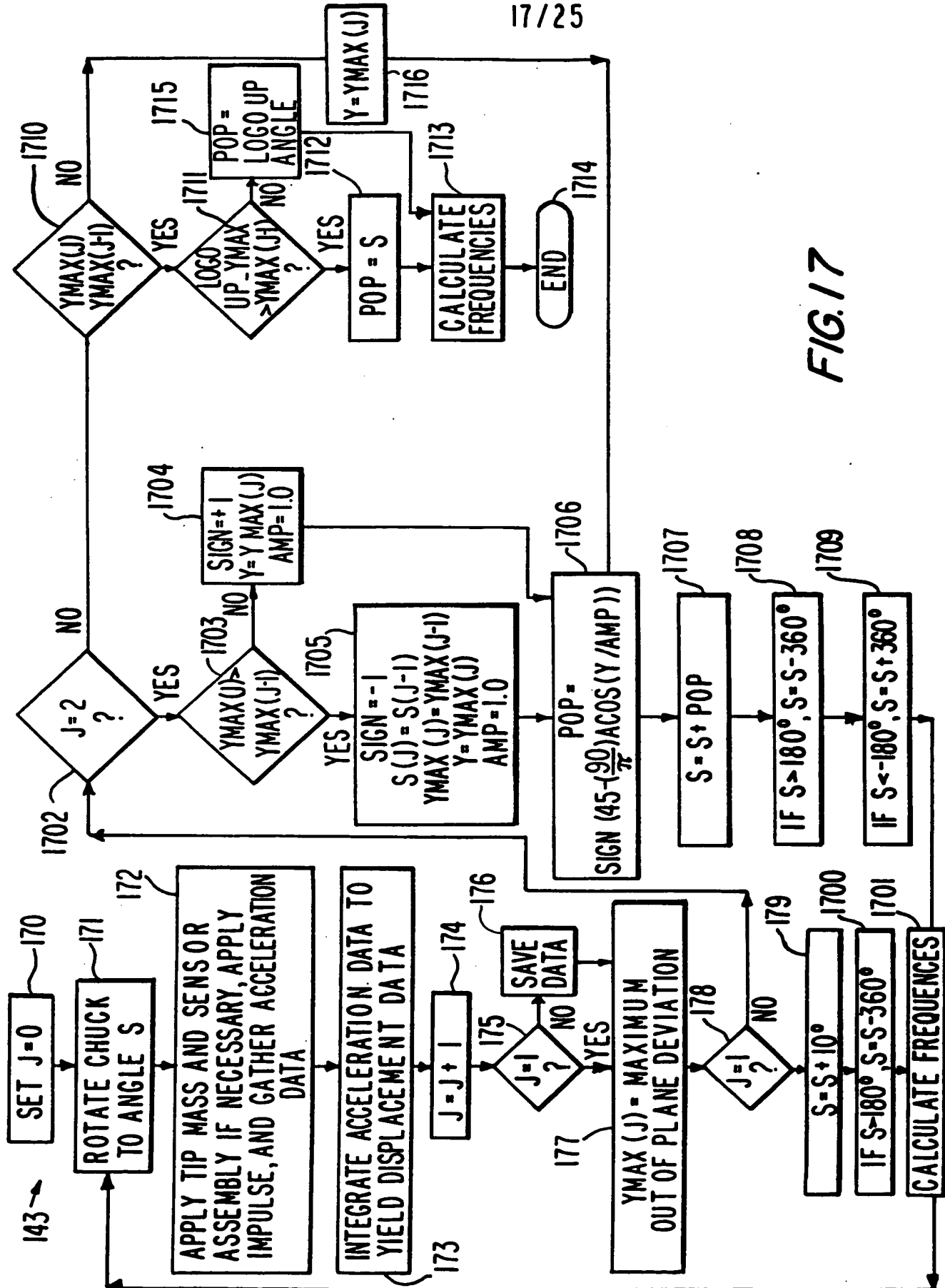
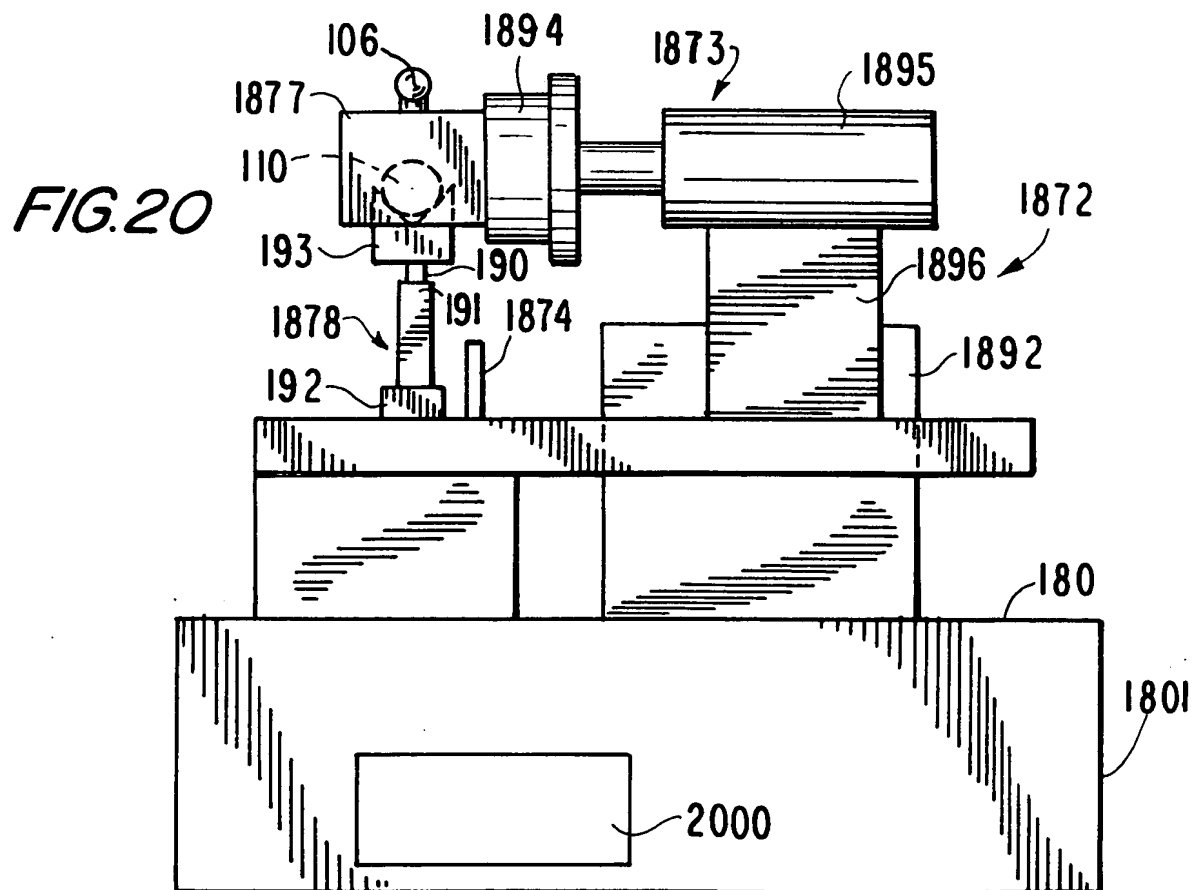
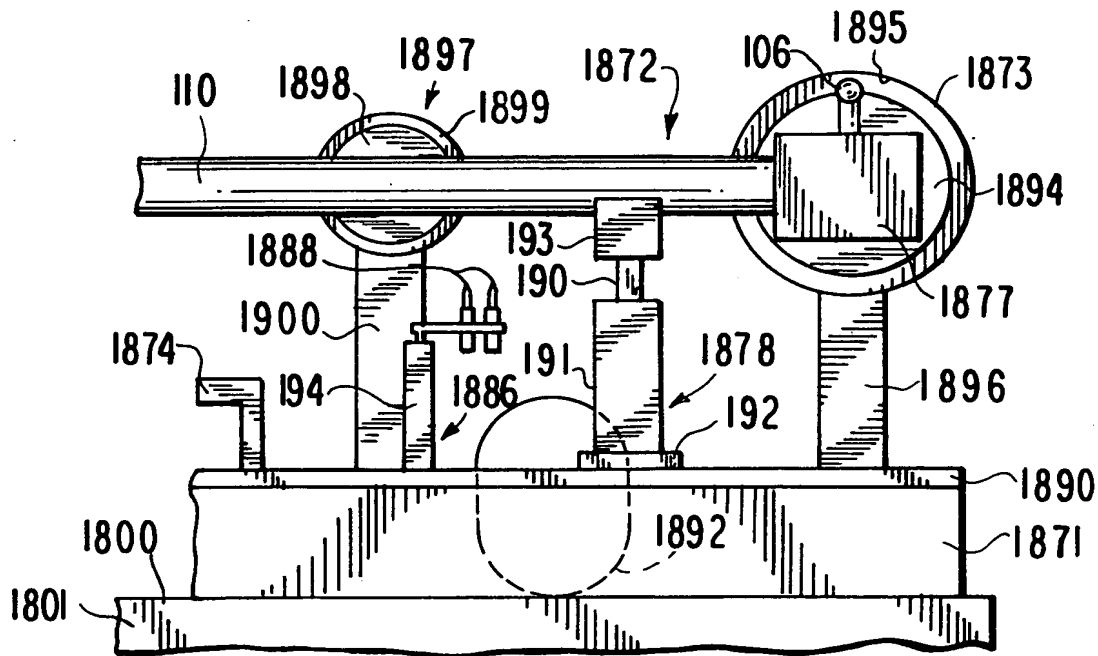


FIG. 17

19/ 25



20/25

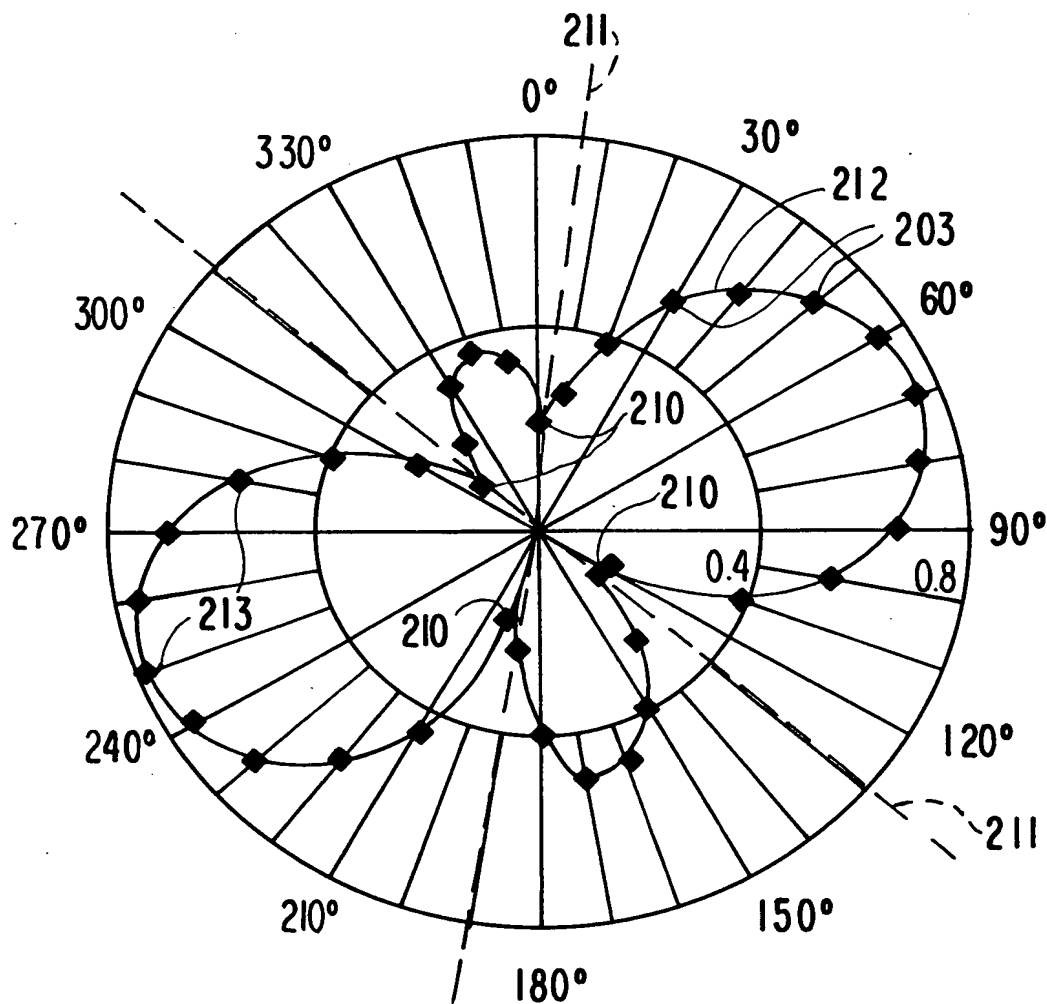


FIG. 21

21/25

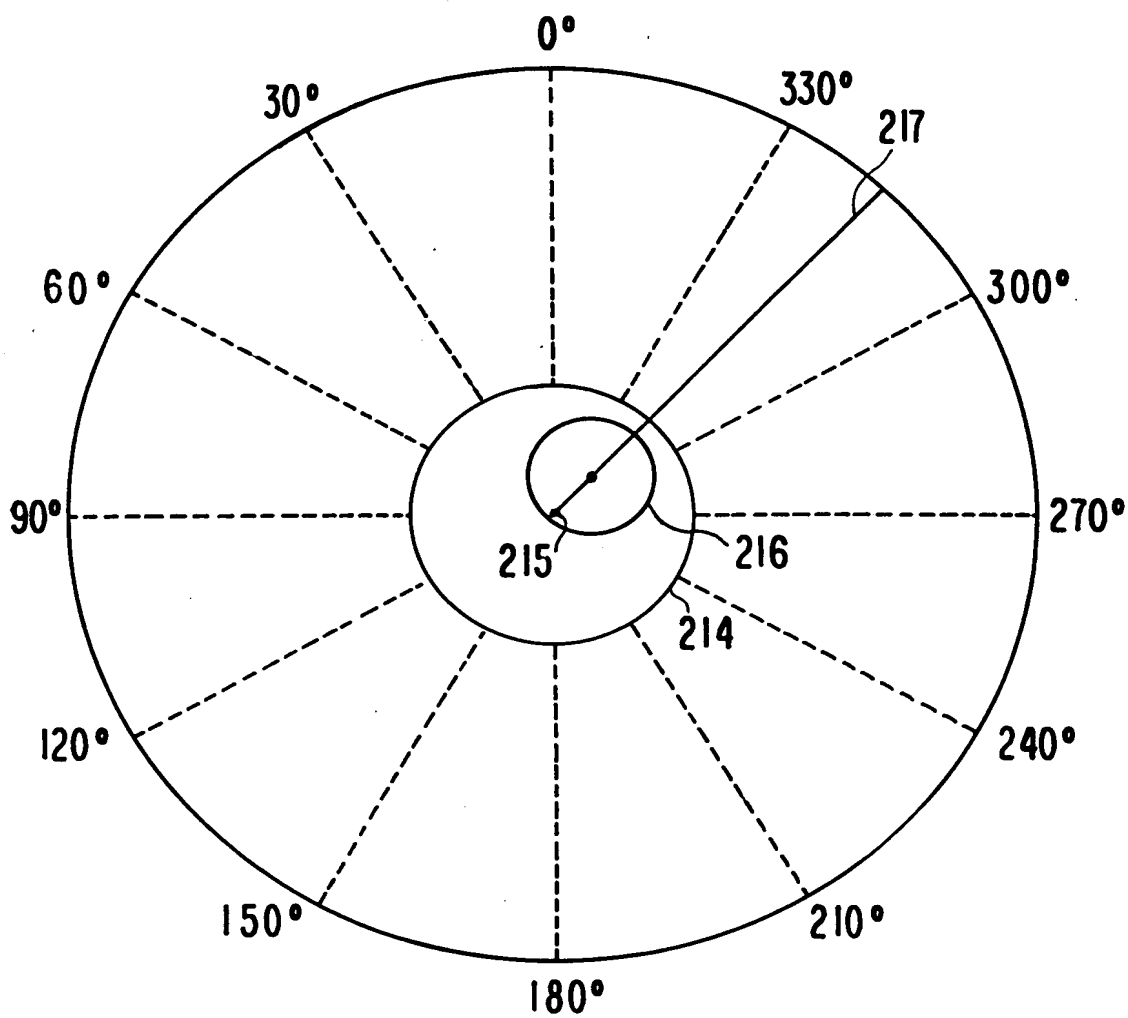


FIG. 22

30037701-110901

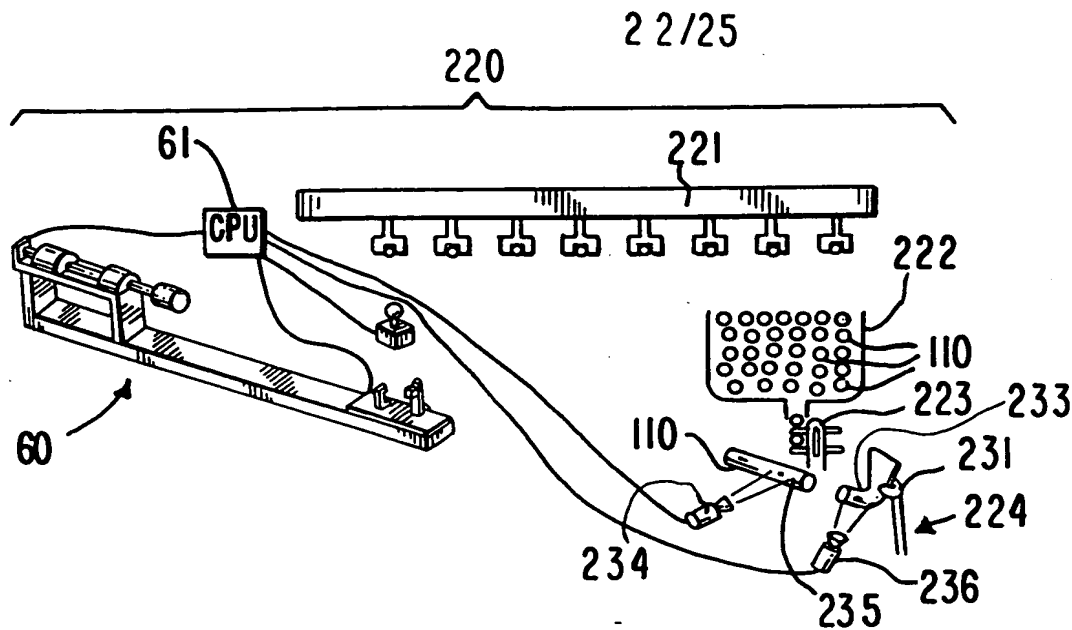


FIG. 23

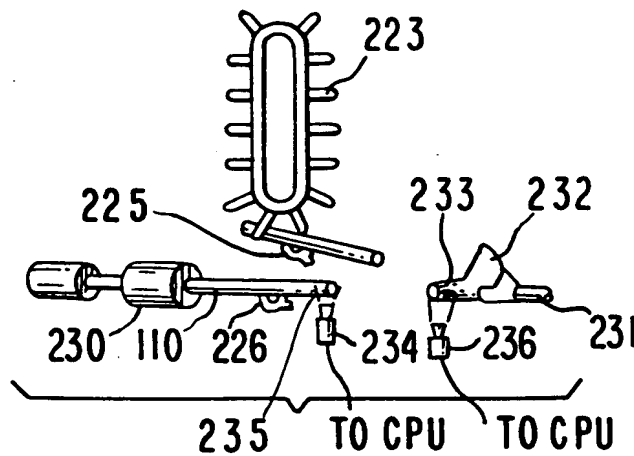


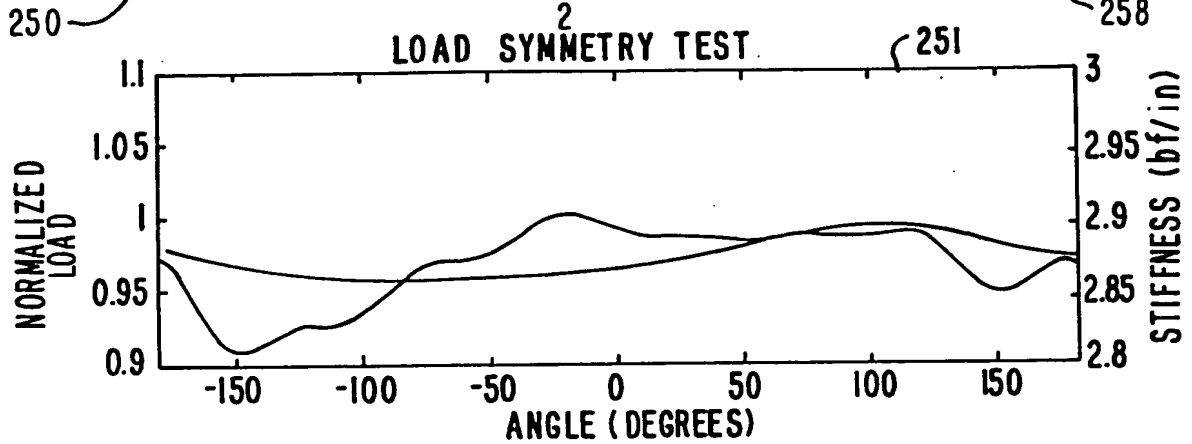
FIG. 24

CUSTOMER IDENTIFICATION:

23/25

SHAFT DESCRIPTION:

DATA/TIME OF TEST



LOAD SYMMETRY INDEX (LSI): 000.0 (100 IS A PERFECTLY SYMMETRIC SHAFT) LSI MEASURES STIFFNESS, ROUNDNESS, AND STRAIGHTNESS VARIATIONS OF THE SHAFT.

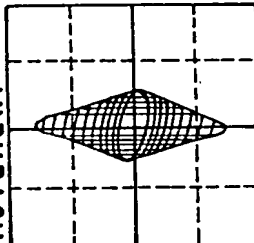
SPINING TEST

252

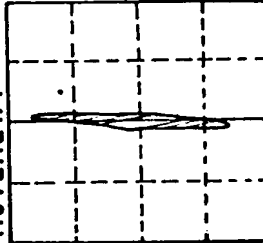
LOGO UP POSITION

SST PURE POSITION

TOE-UP/TOE DOWN
MOVEMENT



TOE-UP/TOE DOWN
MOVEMENT

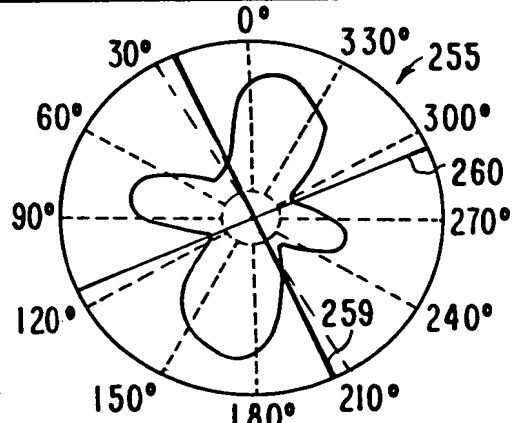


MOVEMENT PARALLEL
TO SWING PLANE

MOVEMENT PARALLEL
TO SWING PLANE

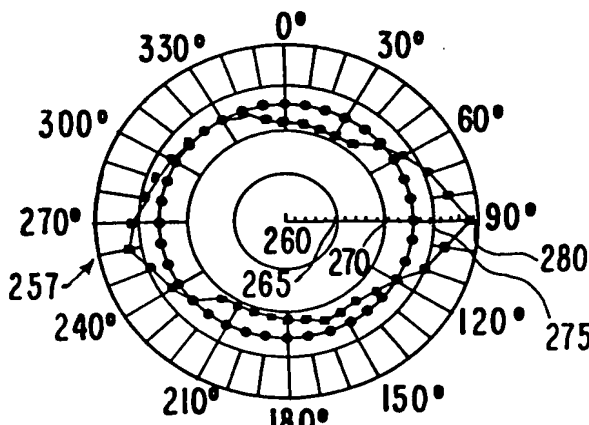
253

254

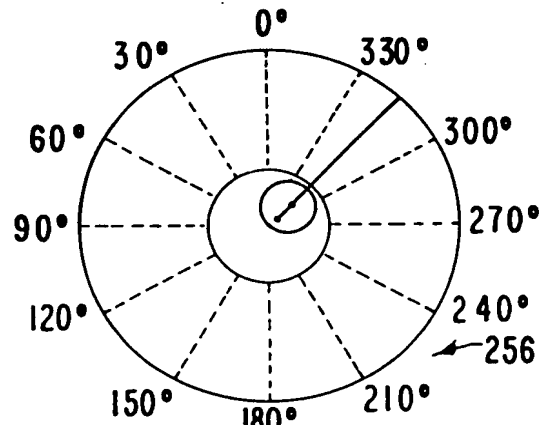


HEAVY LINE INDICATES SST PURE POSITION

SHAFT GEOMETRIC PROPERTIES



SHAFT FREQUENCY (CPM) VS. SHAFT POSITION



SHAFT TIP POSITION VS.
BUTT POSITION

FIG. 25

Applicants:
Application No.
For:

Richard M. Weiss et al.

Docket No.: WR-2

Confirmation No.:

Filed: Herewith

METHOD AND APPARATUS FOR MEASURING
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Attorney:

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24/25

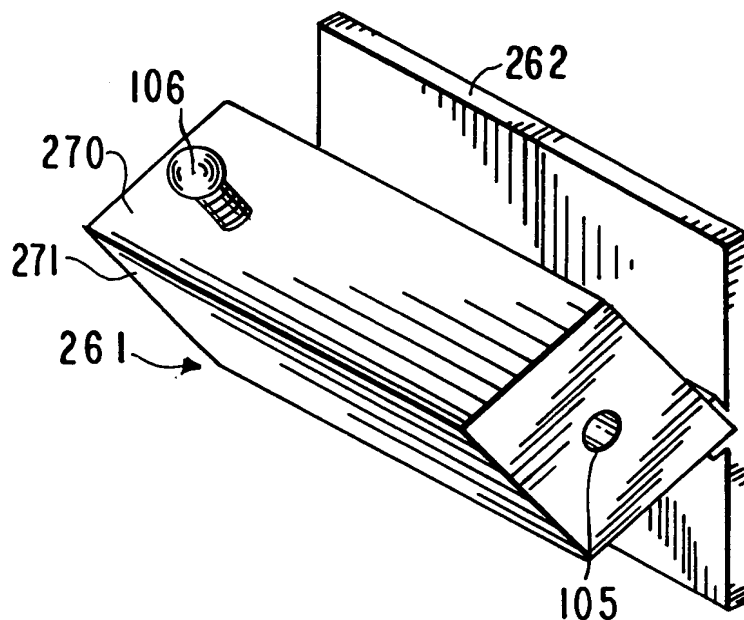


FIG. 26

Applicants:
Application No.
For:

Edward M. Weiss et al.

Docket No.: WR-2

Confirmation No.:

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METHOD AND APPARATUS FOR MEASURING
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Express Mail Label No. EF230789596US

25/25

FIG. 27

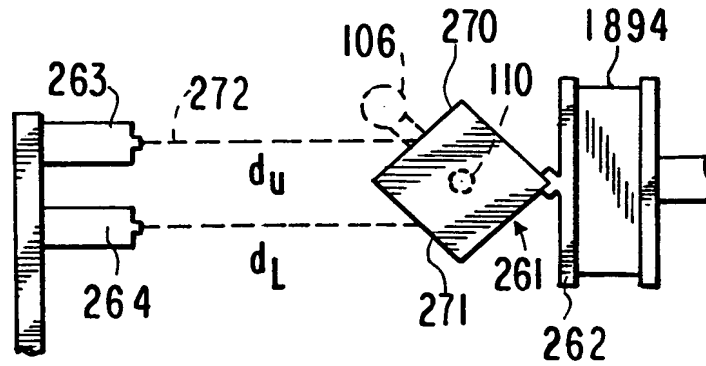


FIG. 28

